



Patent
Attorney Docket No. 033679-040

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Kenneth G. NOGGLE
Application No. 09/782,915
Filed: February 13, 2001
For: CUTTING TOOL ADJUSTMENT
DEVICE

) MAIL STOP/AF
)
)
) Group Art: 3722
) Examiner: Dana Ross
) Confirmation No. 3193
)

#16

8/12/03

B. Ross

REQUEST FOR RECONSIDERATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED
AUG 08 2003
TECHNOLOGY CENTER R3700

Sir:

In response to the Official Action dated May 6, 2003, reconsideration of claims 1-7 in the present application is respectfully requested.

It is asserted in the Official action that it would have been obvious to increase the size of the adjustment screw 37 of Bastek '023 so that it becomes threadedly engaged to the holder. Such a change involves much more than a mere change in size of a component as alleged in the Official action. Besides requiring the machining of a threaded hole in the holder to receive the screw, it also places at risk the accuracy of the insert adjustment.

In that regard, Bastek seeks to obtain a very accurate adjustment of the insert.

The object of the invention is to provide a machine reamer of the type described that permits sensitive, accurate adjustment of the cutter in the longitudinal direction of the slot. (column 1, lines 28-31)

* * *

Very accurate and sensitive longitudinal adjustment of the cutter 18 is thus possible. (column 3, lines 28-30)

By modifying Bastek's device in the manner proposed in the Official action, there would result an arrangement wherein the screw 37 is threadedly engaged in both the stop pin 32 and the holder 12. Unless the screw threads in the stop pin 32 and the holder 12 are of precise, identical shape and size, there will be a tendency for the stop pin 32 to be displaced axially while it is being rotated, which would undesirably negate or magnify the intended adjustment of the insert 18. Note that in the device as disclosed by Bastek, rotation of the screw results in axial movement of the screw without any risk of axial movement of the stop pin 32. Therefore, a user knows that rotation of the screw by a given amount of rotary turning will produce a certain bending (flexing) of the head 44 of the pin 32 in the right or left direction which can be correlated to the extent of insert adjustment. Accordingly, the adjustment is predictable.

On the other hand, if the device were modified as proposed in the Official action, the stop pin would be under the simultaneous influence of two thread connections. If, for example, the pitch or angle of the thread formed in the holder 12 were slightly different from that of the pin 32, rotation of the screw would result in a jamming of the screw or an axial movement of the pin. The disadvantage associated with jamming is evident. The disadvantage associated with axial movement of the pin is that it affects the displacement of the insert. Thus, if the head 44 of the pin 32 were flexed by the screw head simultaneously with an axial movement of the pin 32, the displacement of the insert could no longer be accurately predicted as a function of the amount of screw rotation.

It is hard to imagine why an artisan would go to the trouble of adding a threaded connection in Bastek between the screw and the holder which merely serves to add to the cost and difficulty of manufacture and jeopardizes the accuracy of insert adjustment that is being sought. Hence, there is not only a lack of motivation for making the proposed modification, there is actually considerable motivation for not not making it.

Accordingly, it is requested that the rejection of claims 1-7 be withdrawn.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: 

Alan E. Kopecki
Registration No. 25,813

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: August 6, 2003



AF/3722

Patent
Attorney Docket No. 033679-040

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	MAIL STOP/AF
)	
Kenneth G. NOGGLE)	Group Art Unit: 3722
)	
Application No.: 09/782,915)	Examiner: Dana Ross
)	
Filed: February 13, 2001)	Confirmation No.: 3193
)	
For: CUTTING TOOL ADJUSTMENT)	
DEVICE)	

AMENDMENT/REPLY TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED
AUG 08 2003
TECHNOLOGY CENTER R3700

Sir:

Enclosed is a **Request for Reconsideration** for the above-identified patent application.

- ☐ A Petition for Extension of Time is also enclosed.
- ☐ A Terminal Disclaimer and the ☐ \$55.00 (2814) ☐ \$110.00 (1814) fee due under 37 C.F.R. § 1.20(d) are also enclosed.
- ☐ Also enclosed is/are _____.
- ☐ Small entity status is hereby claimed.
- ☐ Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the ☐ \$375.00 (2801) ☐ \$750.00 (1801) fee due under 37 C.F.R. § 1.17(e).
- ☐ Applicant(s) requests that any previously unentered after final amendments not be entered. Continued examination is requested based on the enclosed documents identified above.
- ☐ Applicant(s) previously submitted ___, on ___, for which continued examination is requested.
- ☐ Applicant(s) requests suspension of action by the Office until at least ___, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

- ☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.
- ☒ No additional claim fee is required.
- ☐ An additional claim fee is required, and is calculated as shown below:

A M E N D E D C L A I M S					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADD'L FEE
Total Claims	20	MINUS 20 =	---	× \$18.00 (1202) =	
Independent Claims	4	MINUS 4 =	---	× \$84.00 (1201) =	
If Amendment adds multiple dependent claims, add \$280.00 (1203)					
Total Claim Amendment Fee					
If small entity status is claimed, subtract 50% of Total Claim Amendment Fee					
TOTAL ADDITIONAL CLAIM FEE DUE FOR THIS AMENDMENT					

☐ A total fee in the amount of \$ --- is enclosed.

☐ Charge \$ to Deposit Account No. 02-4800.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: August 6, 2003

By: 

Alan E. Kopecki
Registration No. 52,813

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620